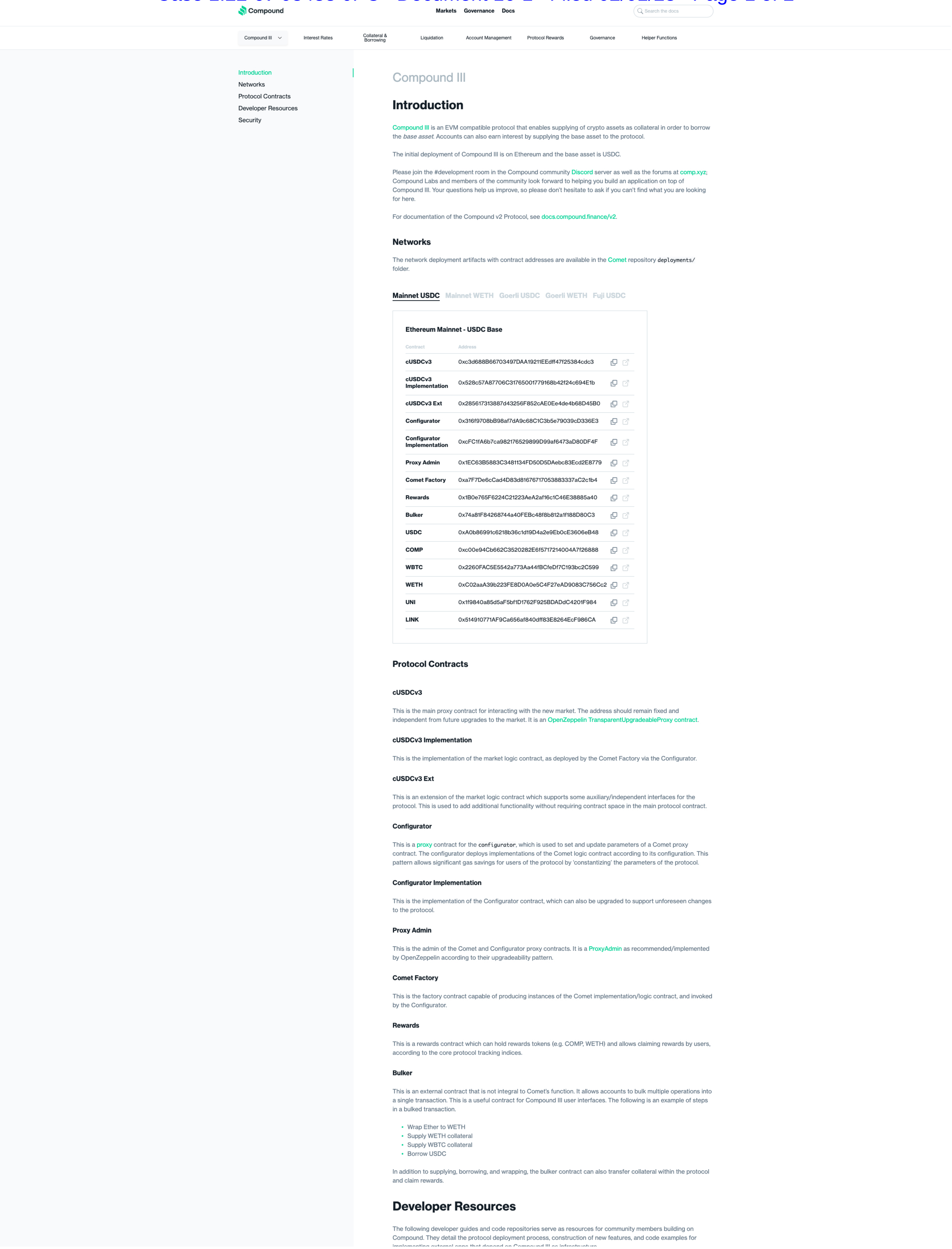


Compound III

Introduction

Compound III is an EVM compatible protocol that enables supplying of crypto assets as collateral in order to borrow the *base asset*. Accounts can also earn interest by supplying the base asset to the protocol.

The initial deployment of Compound III is on Ethereum and the base asset is USDC.

Please join the #development room in the Compound community Discord server as well as the forums at comp.xyz; Compound Labs and members of the community look forward to helping you build an application on top of Compound III. Your questions help us improve, so please don't hesitate to ask if you can't find what you are looking for here.

For documentation of the Compound v2 Protocol, see docs.compound.finance/v2.

Networks

The network deployment artifacts with contract addresses are available in the Comet repository `deployments/` folder.

Ethereum Mainnet - USDC Base

Contract	Address
cUSDCv3	0xc3d688B66703497DAA19211EEdff47f25384cdc3
cUSDCv3 Implementation	0x528c57A87706C31765001779168b42f24c694E1b
cUSDCv3 Ext	0x285617313887d43256F852cAE0Ee4de4b68D45B0
Configurator	0x316f9708bB98af7dA9c68C1C3b5e79039cD336E3
Configurator Implementation	0xcFC1fA6b7ca982176529899D99af6473aD80DF4F
Proxy Admin	0x1EC63B5883C3481134FD50D5DAebc83Ecd2E8779
Comet Factory	0xa7F7De6cCad4D83d81676717053883337aC2c1b4
Rewards	0x1B0e765F6224C21223AeA2af16c1C46E38885a40
Bulker	0x74a81F84268744a40FEBc48f8b812a1f188D80C3
USDC	0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48
COMP	0xc00e94Cb662C3520282E6f5717214004A7f26888
WBTC	0x2260FAC5E5542a773Aa44fBCfeDf7C193bc2C599
WETH	0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2
UNI	0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984
LINK	0x514910771AF9Ca656af840dff83E8264EcF986CA

Protocol Contracts

cUSDCv3

This is the main proxy contract for interacting with the new market. The address should remain fixed and independent from future upgrades to the market. It is an OpenZeppelin TransparentUpgradeableProxy contract.

cUSDCv3 Implementation

This is the implementation of the market logic contract, as deployed by the Comet Factory via the Configurator.

cUSDCv3 Ext

This is an extension of the market logic contract which supports some auxiliary/independent interfaces for the protocol. This is used to add additional functionality without requiring contract space in the main protocol contract.

Configurator

This is a proxy contract for the `configurator`, which is used to set and update parameters of a Comet proxy contract. The configurator deploys implementations of the Comet logic contract according to its configuration. This pattern allows significant gas savings for users of the protocol by 'constantizing' the parameters of the protocol.

Configurator Implementation

This is the implementation of the Configurator contract, which can also be upgraded to support unforeseen changes to the protocol.

Proxy Admin

This is the admin of the Comet and Configurator proxy contracts. It is a ProxyAdmin as recommended/implemented by OpenZeppelin according to their upgradeability pattern.

Comet Factory

This is the factory contract capable of producing instances of the Comet implementation/logic contract, and invoked by the Configurator.

Rewards

This is a rewards contract which can hold rewards tokens (e.g. COMP, WETH) and allows claiming rewards by users, according to the core protocol tracking indices.

Bulker

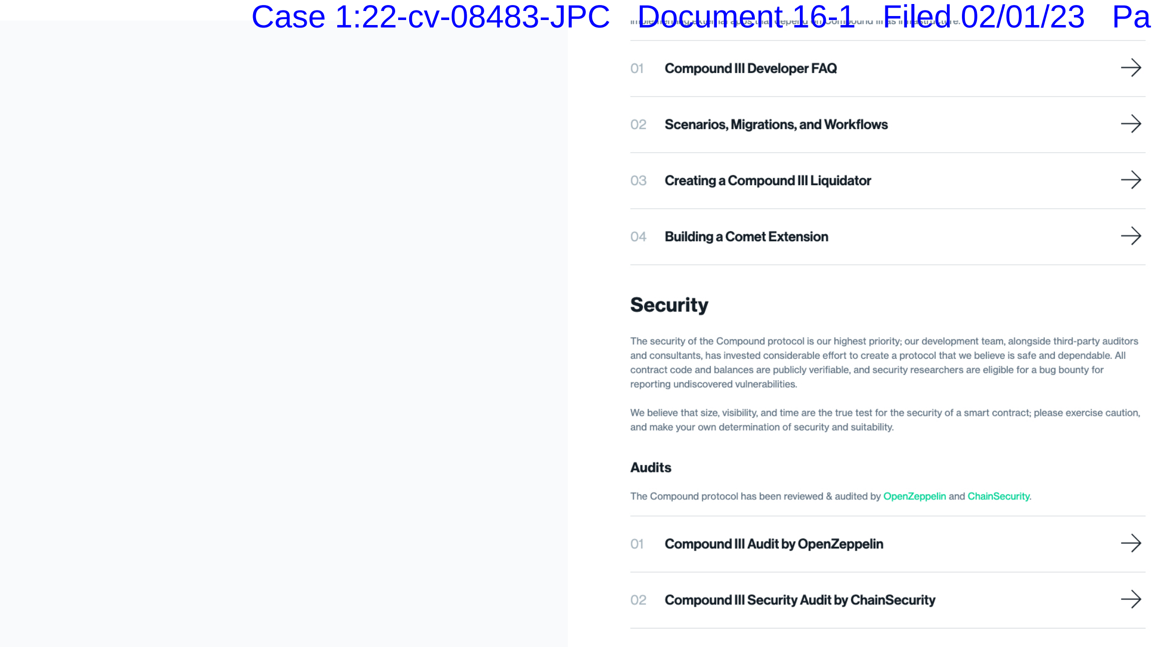
This is an external contract that is not integral to Comet's function. It allows accounts to bulk multiple operations into a single transaction. This is a useful contract for Compound III user interfaces. The following is an example of steps in a bulked transaction.

- Wrap Ether to WETH
- Supply WETH collateral
- Supply WBTC collateral
- Borrow USDC

In addition to supplying, borrowing, and wrapping, the bulker contract can also transfer collateral within the protocol and claim rewards.

Developer Resources

The following developer guides and code repositories serve as resources for community members building on Compound. They detail the protocol deployment process, construction of new features, and code examples for implementing external apps that depend on Compound III as infrastructure.



implementing external apps that depend on Compound III as infrastructure.

01 **Compound III Developer FAQ** →

02 **Scenarios, Migrations, and Workflows** →

03 **Creating a Compound III Liquidator** →

04 **Building a Comet Extension** →

Security

The security of the Compound protocol is our highest priority; our development team, alongside third-party auditors and consultants, has invested considerable effort to create a protocol that we believe is safe and dependable. All contract code and balances are publicly verifiable, and security researchers are eligible for a bug bounty for reporting undiscovered vulnerabilities.

We believe that size, visibility, and time are the true test for the security of a smart contract; please exercise caution, and make your own determination of security and suitability.

Audits

The Compound protocol has been reviewed & audited by OpenZeppelin and ChainSecurity.

01 **Compound III Audit by OpenZeppelin** →

02 **Compound III Security Audit by ChainSecurity** →